

MEMO

TO: Aaron Nissen
Intermountain Power Service
Corporation

FROM: Richard J. Monro
RJM Corporation

D.C. Langley
Babcock and Wilcox Company

DATE: August 27, 1991

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DATA REQUIREMENTS FOR BURNER ANALYSIS

This request for data is simultaneously sent to IPSC and B&W. In order to meet our materials specification date of September 10, 1991, the following data must be received by RJM Corporation no later than August 30, 1991. Where information or data appears to be uniquely provided by B&W, I have placed the B&W initials to the left of the check-off column. If there are any questions, please call me at (203)438-6198.

GENERAL:

- (✓) Boiler Type (provide data sheet)
2 sheets written description / 2 overview drawings (cross-section) / 4 data sheets - design
- (✓) Max Load - MMBtu/hr per pulv / per burner
provided earlier
- (✓) Number of Burners 8 pulv of 6 burners/pulv = 48 total
Full load - require 36 normal operation 42
- (✓) Fuel - Provide ultimate and proximate fuel analysis if available
provided earlier
- (✓) Max Load Fuel Rate - MMBtu/hr/Burner
provided earlier
- (✓) Burner Secondary Air (i.e. AH out) Temp
previously provided
- (✓) Burner Primary Air Temp & Flow (design & actual)
previous plus design - attached
- (✓) Windbox & Furnace Pressure or Differential Pressure (design & actual)
design (from data sheets) WB 2.83/Furnace 0.1 actual WB are 41 0.5 Furnace 0.1
42 1.3
- (✓) Outer Air Door Position (provide direct measurement description)
reference BW Memo 11/29/88 a Drawing
- (✓) Inner Air Vane Position (provide direct measurement description) *Back Plate Settings
reference BW Memo 11/29/88
- (✓) Turn Down Required Feeder Speeds min 28% max 105% (65 TPH pulv, rated)
18 TPH - 68 TPH
[per burner row] 0.436 - 1.638 = 10³ Btu/hr

✓ Revised Installation Schedule
42 stations

RJM Corporation • Ten Roberts Lane, Ridgefield, CT 06877 • 203 438-6198

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